

FIG. 5A

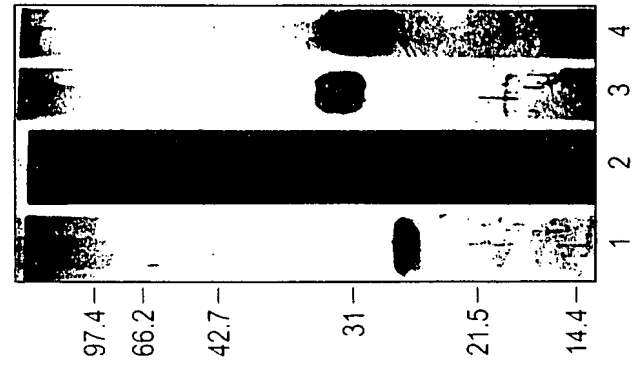


FIG. 5B

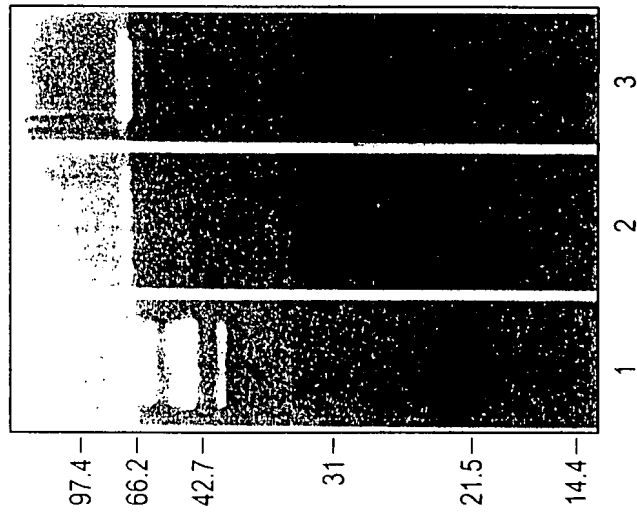
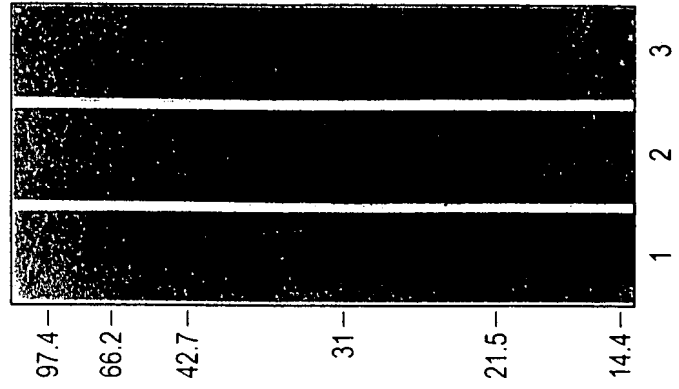


FIG. 5C





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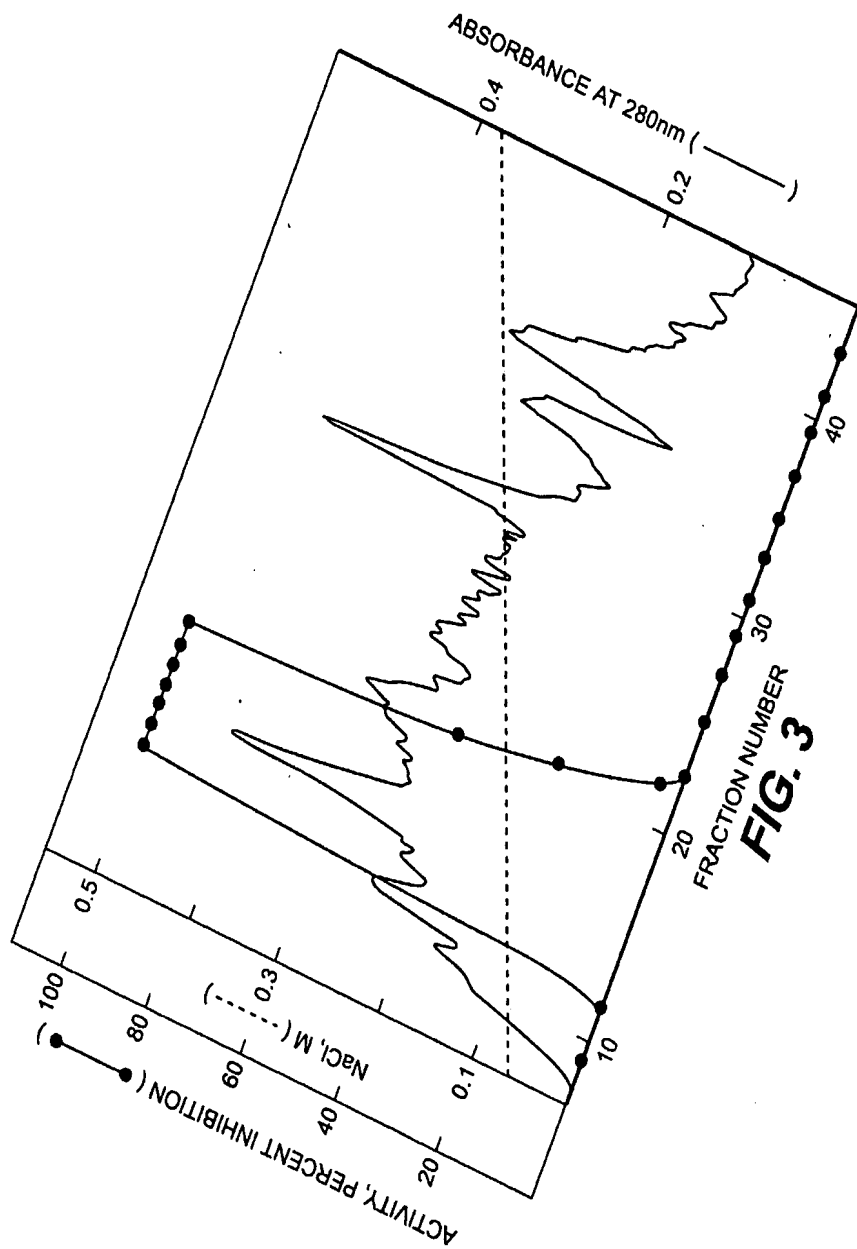
att ccg gct tct atg gag cac tcg gga cca ggt ccg cgg cgc gcg cac tcg ctc  
gct cgc cgc ccc cca gcc agc tct cgc ttc cgc gcc gcc agc cgc gcc ccg cgc  
ctc ctc gct gca ccc cgc gac cta gag cca aga aag ttt gtg tgg cga gtg agg  
gcc gga gag gag agc gcg ccc gcg gag tgc cgt cca gac cag cgc ggc ccc ggc  
gga gag ggg agc gcc ccg agc cca ggc ggc ggc ggc tag ccc gag tcc gcg acc  
-26 -20  
ccc gcc cct ccg ccc gcc atg ggc gcc gcc gcc cgc agc ctg ccg ctc gcg ttc  
-10 -1 1  
Cys Leu Leu Leu Leu Gly Thr Leu Leu Pro Arg Ala Asp Ala Cys Ser Cys Ser  
tgc ctc ctg ctg ctg ggg acg ctg ctc ccc cgg gcc gac gcc tgc agc tgc tcc  
10 20  
Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp Ile Val Ile Arg Ala Lys  
ccg gtg cac ccg caa cag gcg ttt tgc aat gca gac ata gtg atc agg gcc aaa  
30 40  
Ala Val Asn Lys Lys Glu Val Asp Ser Gly Asn Asp Ile Tyr Gly Asn Pro Ile  
gca gtc aat aag aag gag gtg gac tct ggc aac gac atc tac ggc aac ccc atc  
50  
Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met Phe Lys Gly Pro Asp Gln  
aag cgg att cag tat gag atc aag cag ata aag atg ttc aag gga cct gat cag  
60 70  
Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ala Ala Ala Val Cys Gly Val Ser Leu  
gac ata gag ttt atc tac aca gcc ccc gcc gct gcc gtg tgt ggg gtc tcg ctg  
80 90  
Asp Ile Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asn Gly  
gac att gga gga aag aag gag tat ctc att gca ggg aag gcc gag ggg aat ggc  
100 110  
Asn Met His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Ala  
aat atg cat atc acc ctc tgt gac ttc atc gtg ccc tgg gac acc ctg agt gcc  
120 130  
Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Glu Cys Lys Ile  
acc cag aag aag agc ctg aac cac agg tac cag atg ggc tgt gag tgc aag atc  
140  
Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp  
act cga tgc ccc atg atc cca tgc tac atc tcc tct ccg gac gag tgc ctc tgg  
150 160  
Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala  
atg gac tgg gtc acg gag aag aac atc aac gga cac cag gcc aag ttc ttc gcc  
170 180  
Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala Pro Pro  
tgc atc aag aga agc gac ggc tcc tgc gcc tgg tac cgc gga gca gca ccc ccc  
190 194  
Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro  
aag cag gag ttt ctg gac atc gag gac ccg taa gca ggc cac cag gac tcc tgg  
ggc caa ttg aca gtg tcc aag agt tca gac tgg tcc agc tcc gac atc cct tcc  
tgg aca cag cat gaa taa a

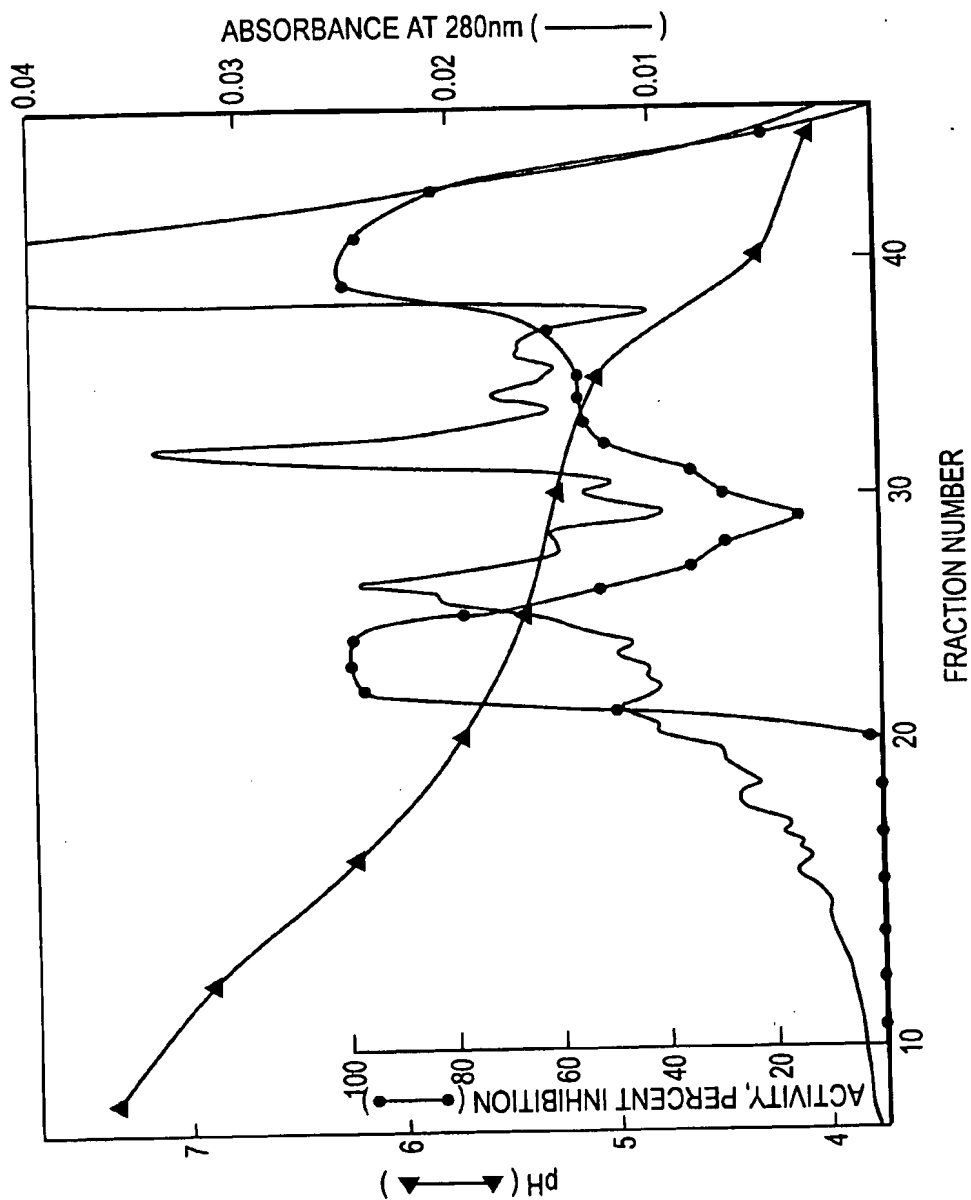
**FIG. 1**



att ccg gcc cgc cgt ccc cca ccc cgc cgc ccc gcc cgg cga att gcg ccc cgc  
gcc cct ccc ctc gcg ccc ccg aga caa aga gga gag aaa gtt tgc gcg gcc gag  
cgg ggc agg tga gga ggg tga gcc gcg cgg gag ggg ccc gcc tcg gcc ccg gct  
cag ccc ccg ccc gcg ccc cca gcc cgc cgc cgc gag cag cgc ccg gac ccc cca  
-26  
Met Gly Ala Ala Ala Arg  
gcg gcg gcc ccc gcc cgc cca gcc ccc cgg ccc gcc atg ggc gcc gcg gcc cgc  
-20 -10  
Thr Leu Arg Leu Ala Leu Gly Leu Leu Leu Leu Ala Thr Leu Leu Arg Pro Ala  
acc ctg ccg ctg gcg ctc ggc ctc ctg ctg ctg gcg acg ctg ctt cgc ccg gcc  
-1 1  
Asp Ala Cys Ser Cys Ser Pro Val His Pro Gln Gln ala Phe Cys Asn Ala Asp  
gac gcc tgc agc tgc tcc ccg gtg cac ccg caa cag gcg ttt tgc aat gca gat  
20 30  
Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly Asn Asp  
gta gtg atc agg gcc aaa gcg gtc agt gag aag gaa gtg gac tct gga aac gac  
40 50  
Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met  
att tat ggc aac cct atc aag agg atc cag tat gag atc aag cag ata aag atg  
60 70  
Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala  
ttc aaa ggg cct gag aag gat ata gag ttt atc tac acg gcc ccc tcc tcg gca  
80  
Val Cys Gly Val Ser Leu Asp Val Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly  
gtg tgt ggg gtc tcg ctg gac gtt gga gga aag aag gaa tat ctc att gca gga  
90 100  
Lys Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp Phe Ile Val Pro  
aag gcc gag ggg gac ggc aag atg cac atc acc ctc tgt gac ttc atc gtg ccc  
110 120  
Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met  
tgg gac acc ctg agc acc acc cag aag aag agc ctg aac cac agg tac cag atg  
130 140  
Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser  
ggc tgc gag tgc aag atc acg cgc tgc ccc atg atc ccg tgc tac atc tcc tcc  
150 160  
Pro Asp Glu Cys Leu Trp Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His  
ccg gac gag tgc ctc tgg atg gac tgg gtc aca gag aag aac atc aac ggg cac  
170  
Gln Ala Lys Phe Phe Ala Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr  
cag gcc aag ttc ttc gcc tgc atc aag aga agt gac ggc tcc tgt gcg tgg tac  
180 190 194  
Arg Gly Ala Ala Pro Pro Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro  
cgc ggc gcg gcg ccc ccc aag cag gag ttt ctc gac atc gag gac cca taa gca  
ggc ctc caa cgc ccc tgt ggc caa ctg caa aaa aag cct cca agg gtt tcg act  
ggg cca gct ctg aca tcc ctt cct gga aac agc atg aat aaa aca ctc atc ccc  
gga att c

**FIG. 2**





**FIG. 4**

FIG. 5A

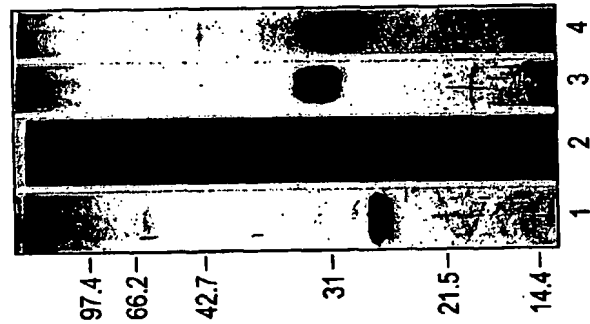


FIG. 5B

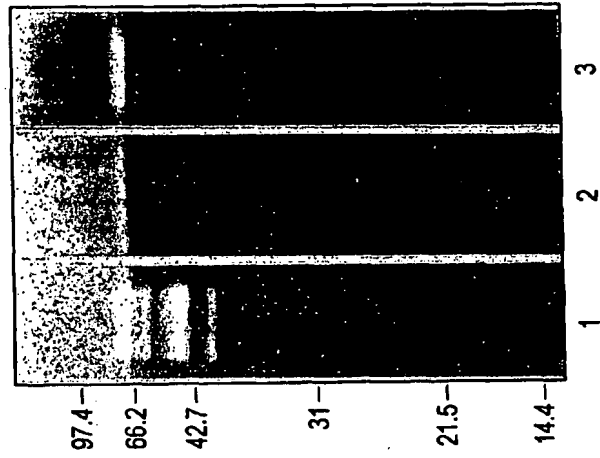


FIG. 5C

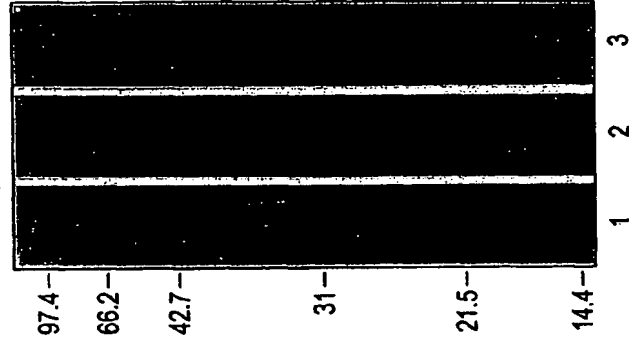
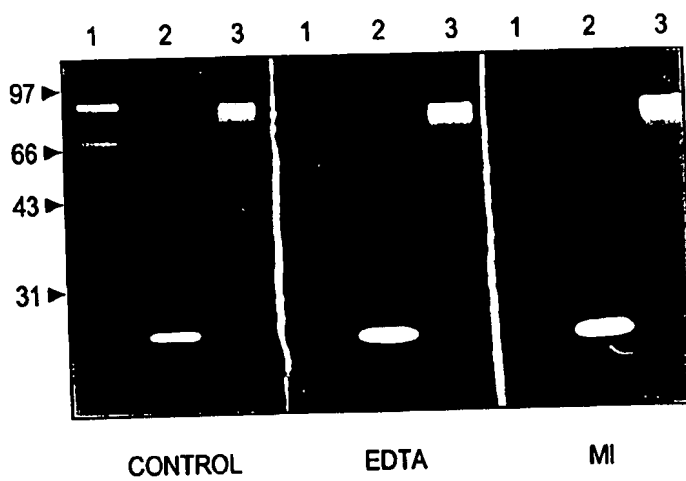


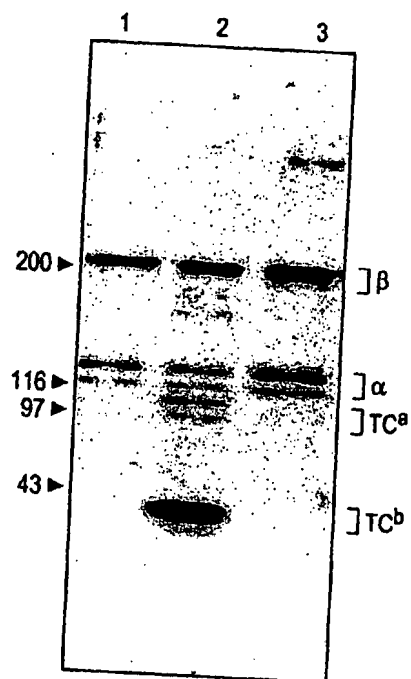
FIG. 6



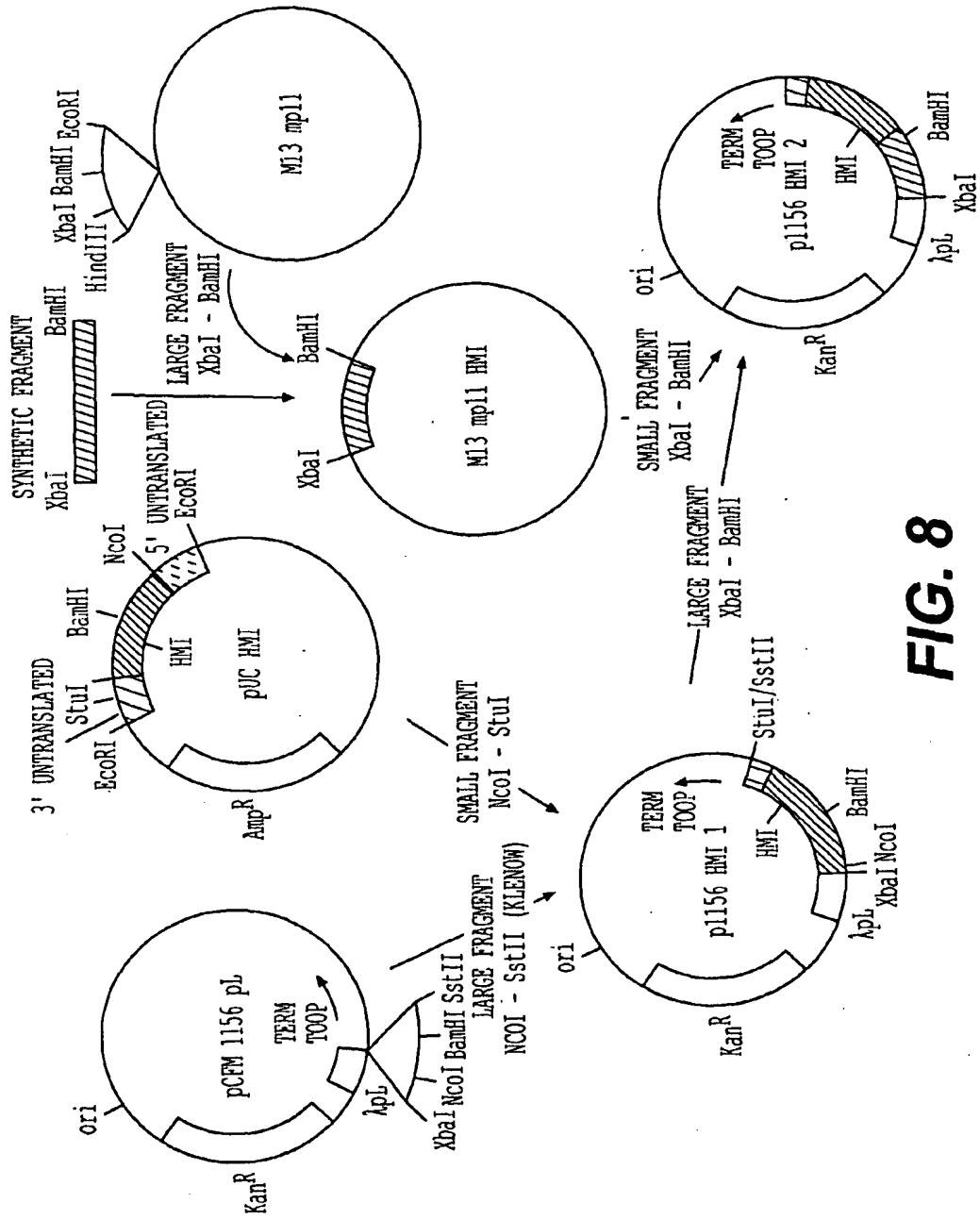


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FIG. 7







**FIG. 8**

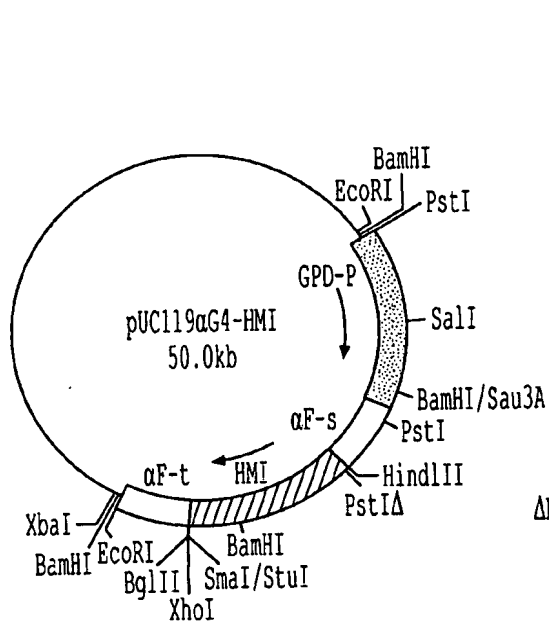


10 20 30 40 50 60  
CTAGAAAAA CCAAGGAGGT AATAAATAAT GTGTTCTTGT TCTCCTGTAC ACCCTCAACA  
TTTTTT GGTTCCTCCA TTATTTATTA CACAAGAACA AGAGGACATG TGGGAGTTGT

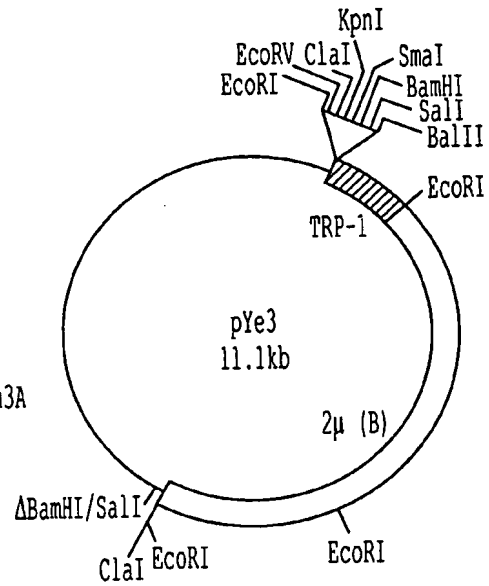
70 80 90 100 110 120  
AGCTTTTTGT AACGCTGATG TAGTTATCCG TGCAAAAGCT GTTCTGAAA AAGAAGTTGA  
TCGAAAAACA TTGCGACTAC ATCAATAGGC ACGTTTTCGA CAAAGACTTT TTCTTCAACT

130 140 150 160  
TTCTGGTAAC GACATCTACG GTAACCCGAT CAAAAG  
AAGACCATTG CTGTAGATGC CATTGGGCTA GTTTCCTAG

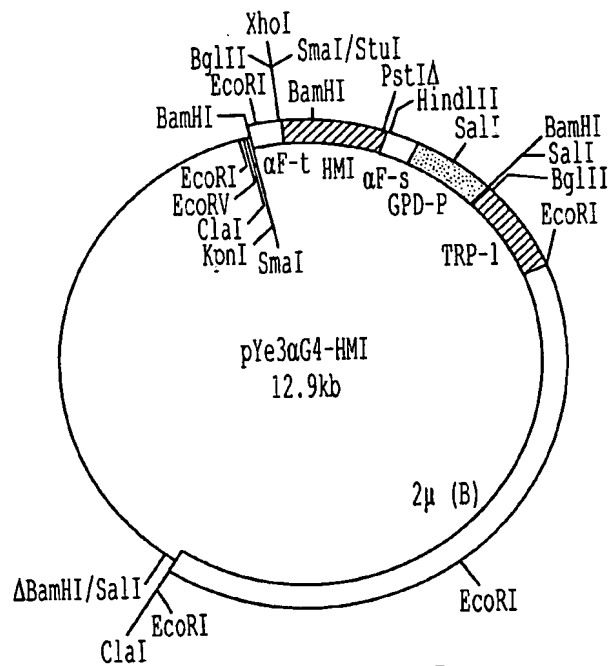
**FIG. 9**



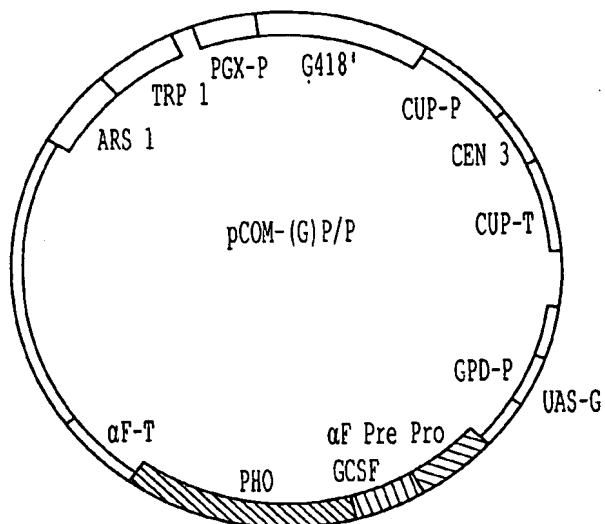
**FIG. 10A**



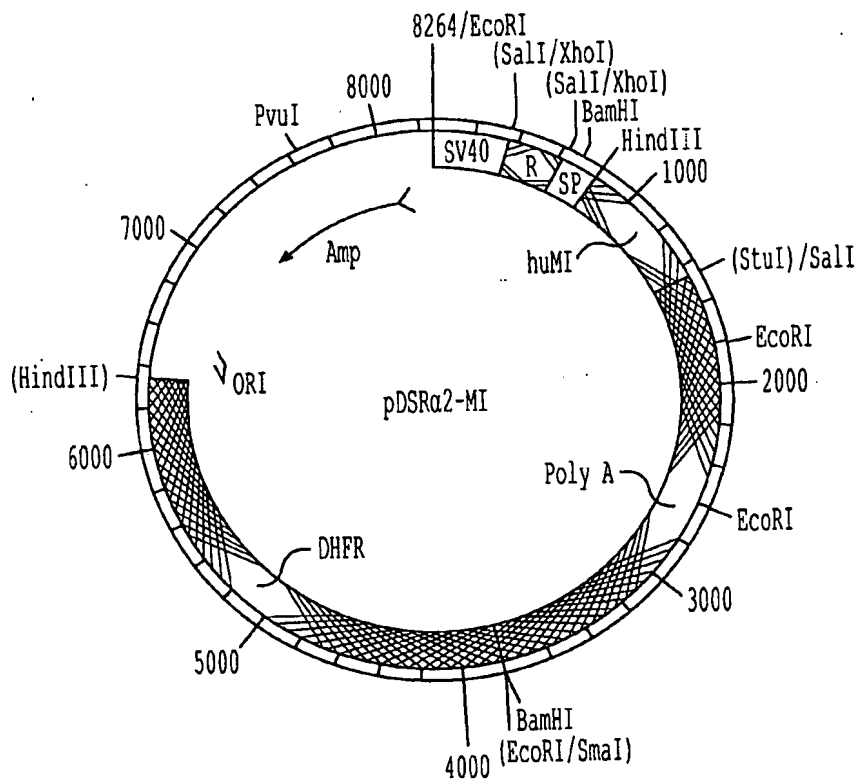
**FIG. 10B**



**FIG. 10C**



**FIG. 11**



**FIG. 12**

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FIG. 13

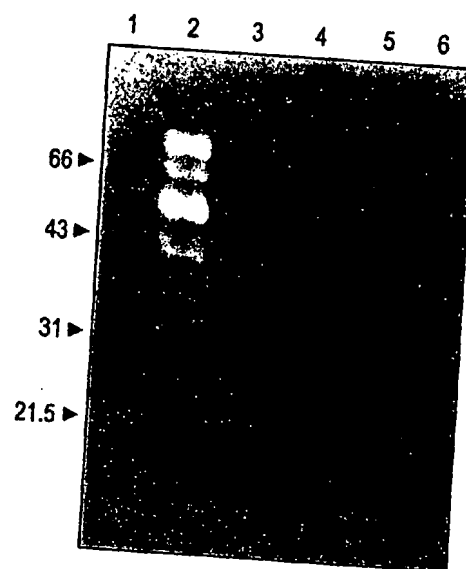
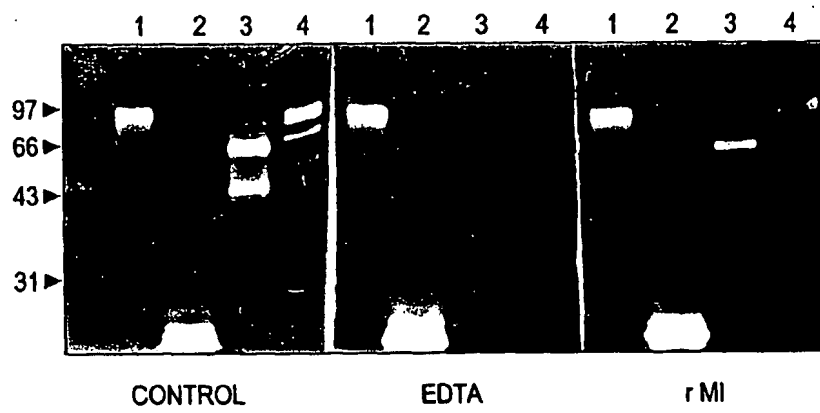
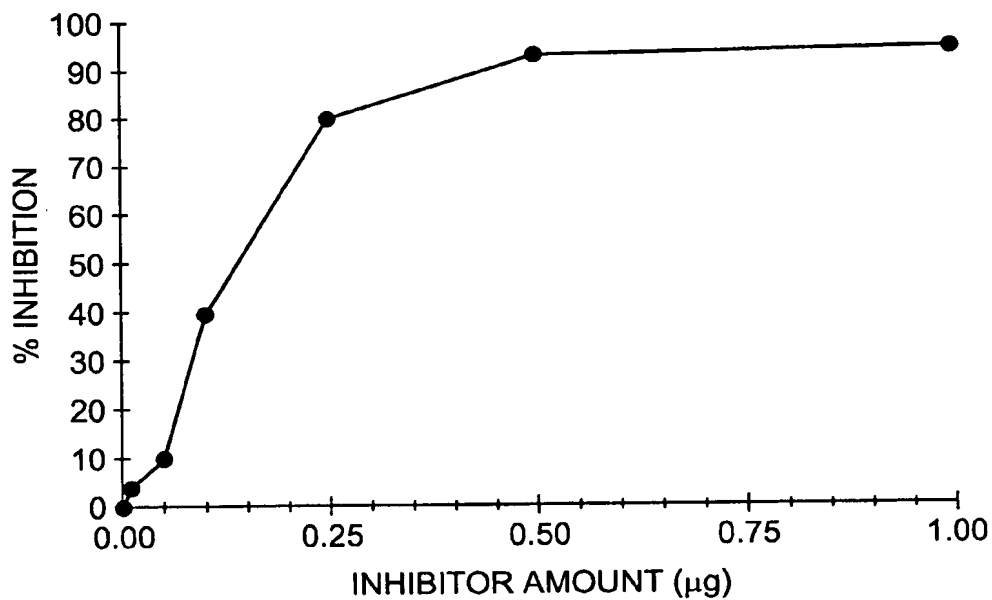
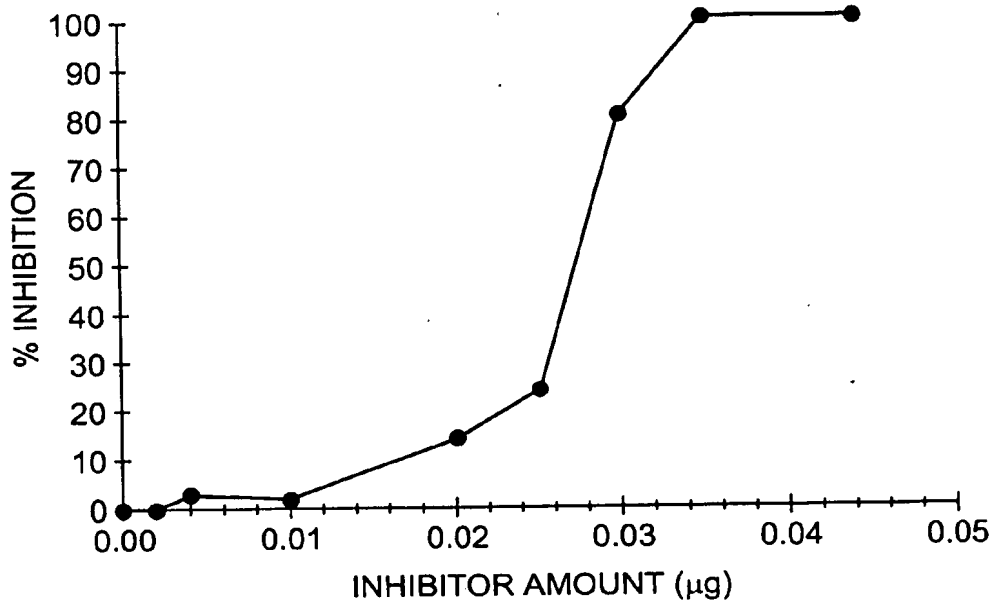


FIG. 14

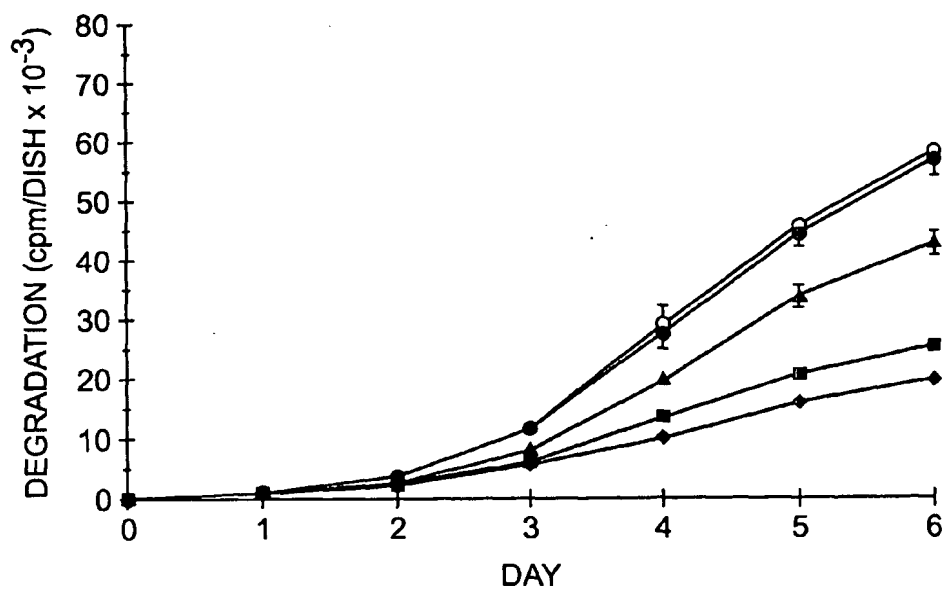




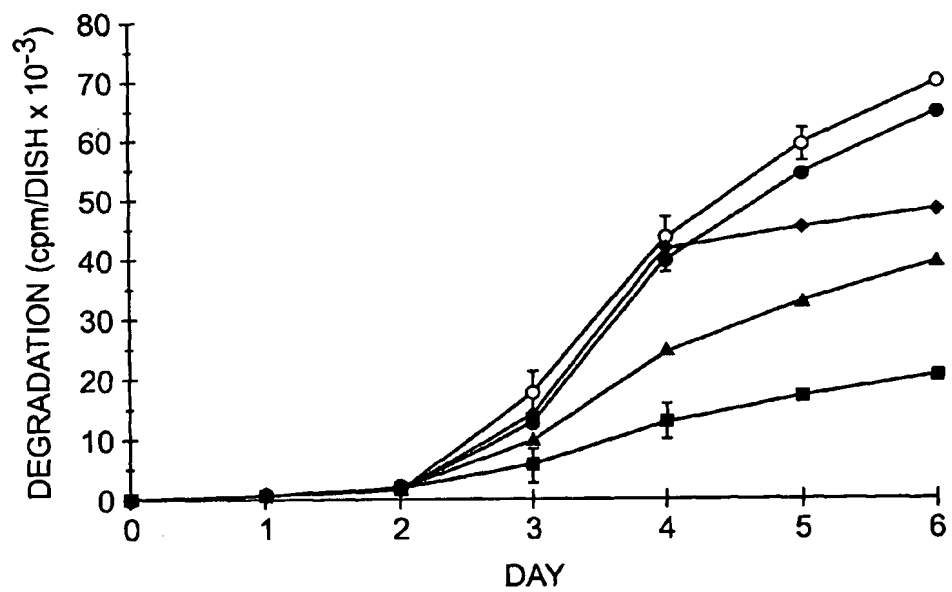
**FIG. 15A**



**FIG. 15B**

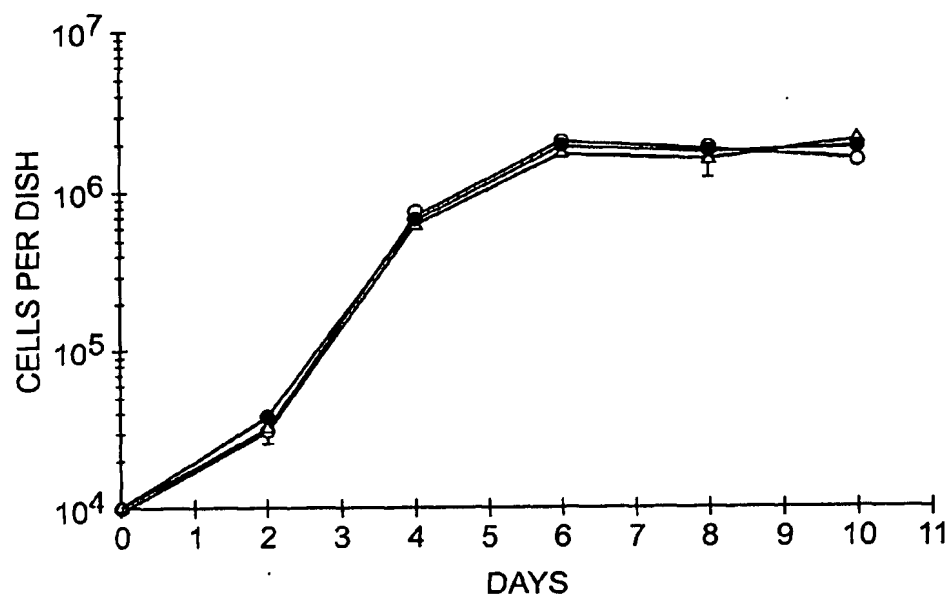


**FIG. 16**

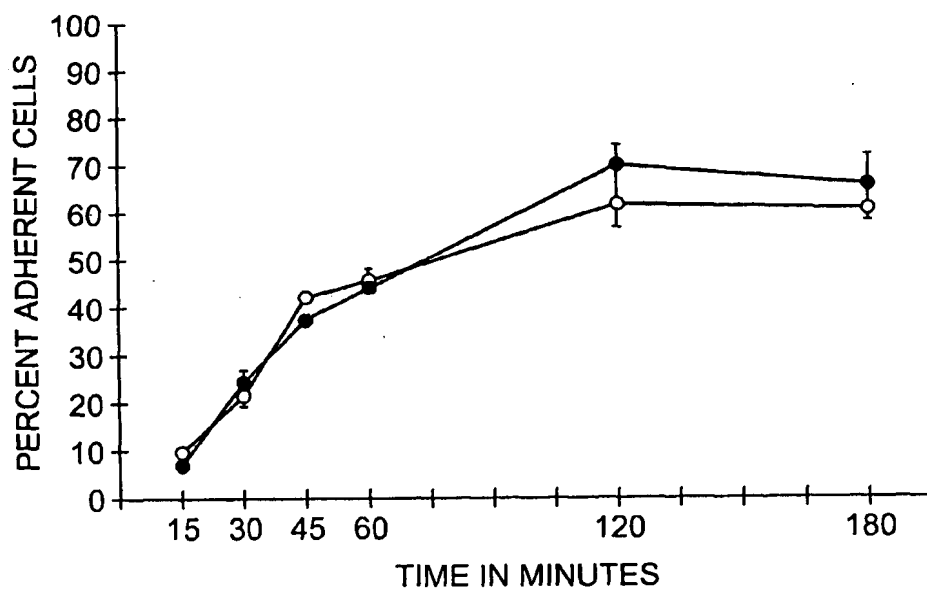


**FIG. 17**





**FIG. 18A**

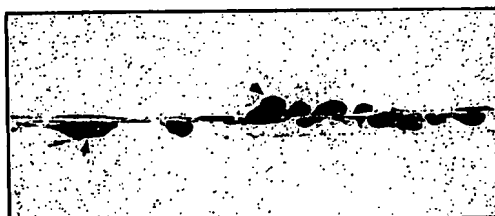


**FIG. 18B**

FIG. 19A



FIG. 19B



← smc

FIG. 19C



← smc